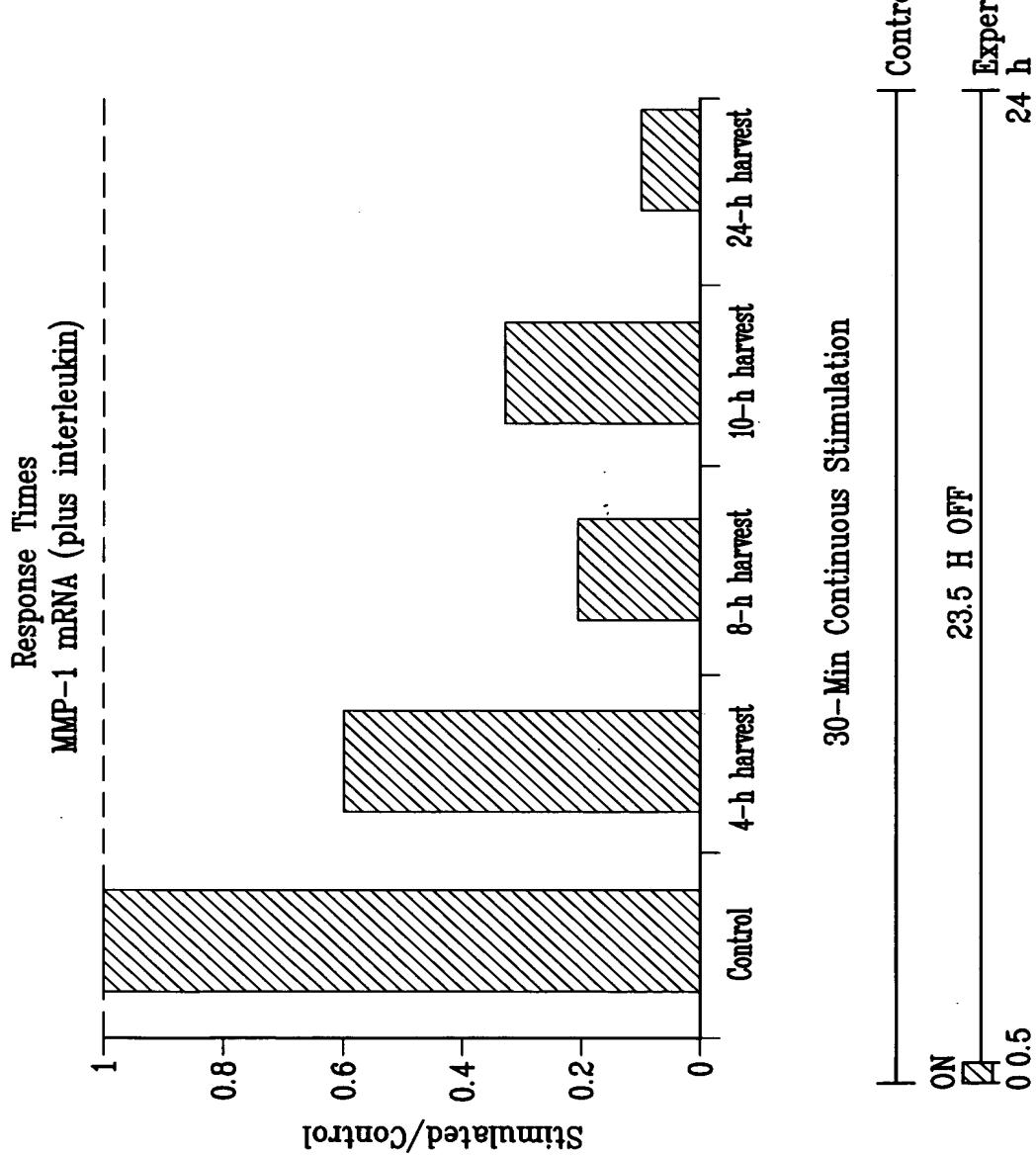


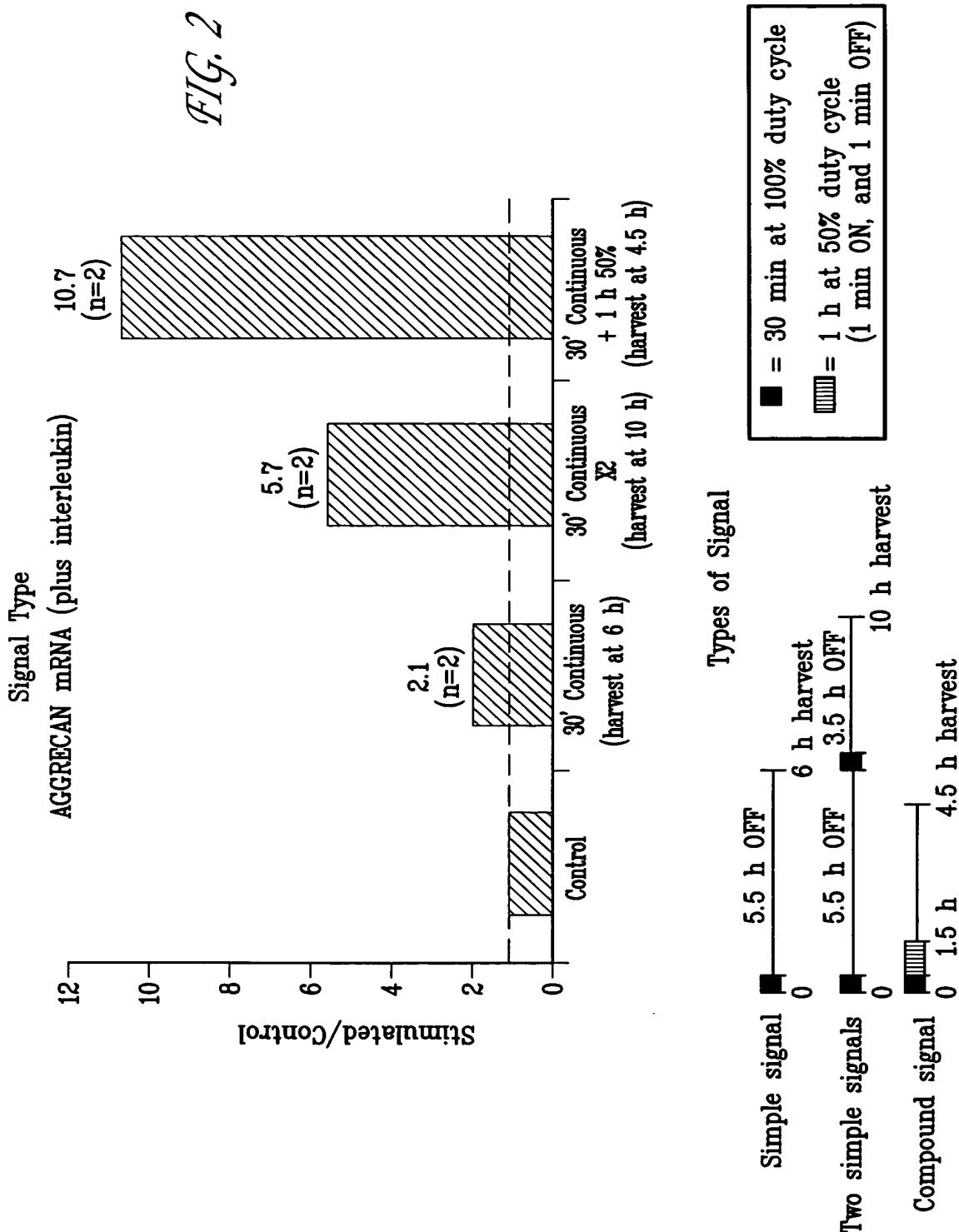
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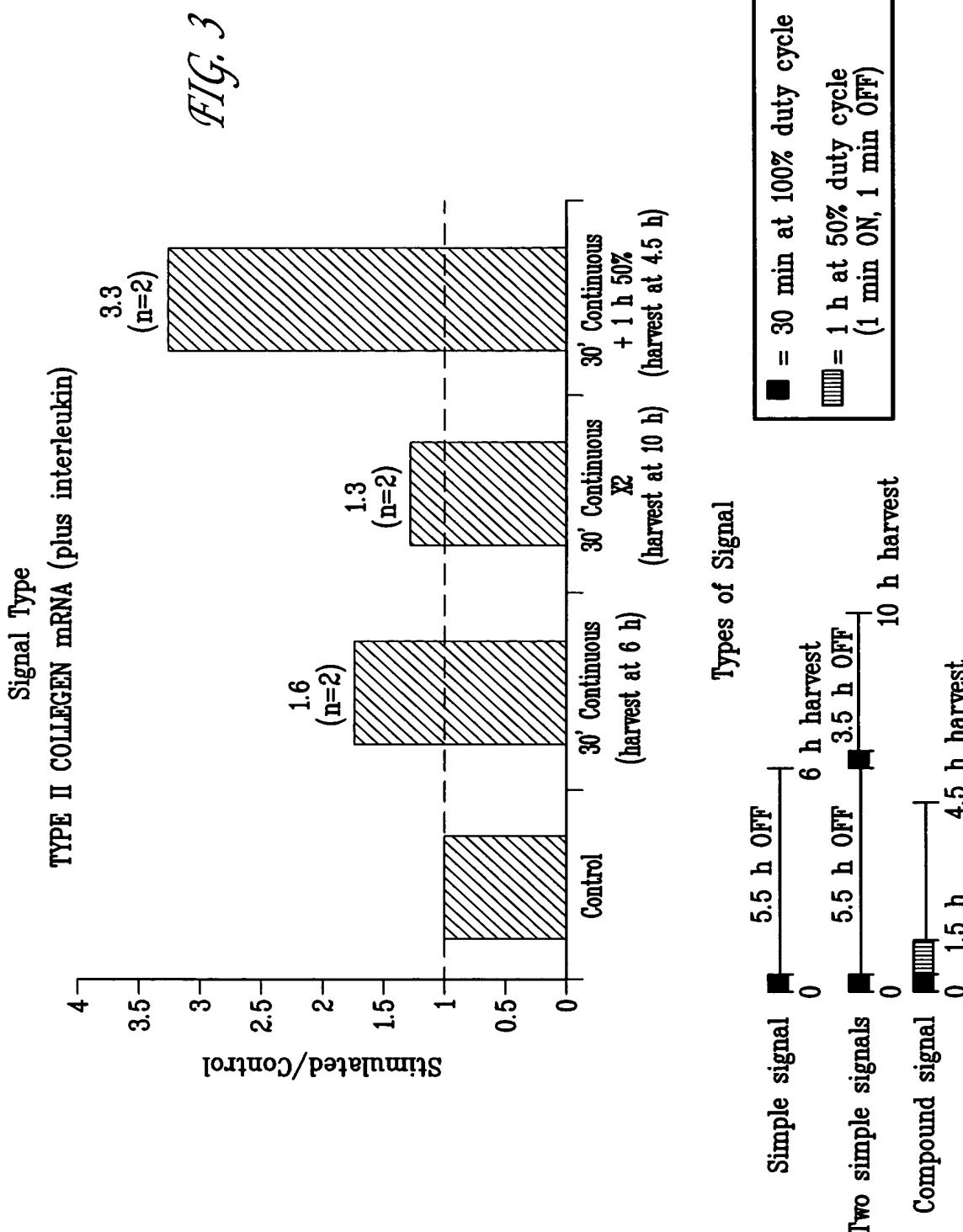
FIG. 1



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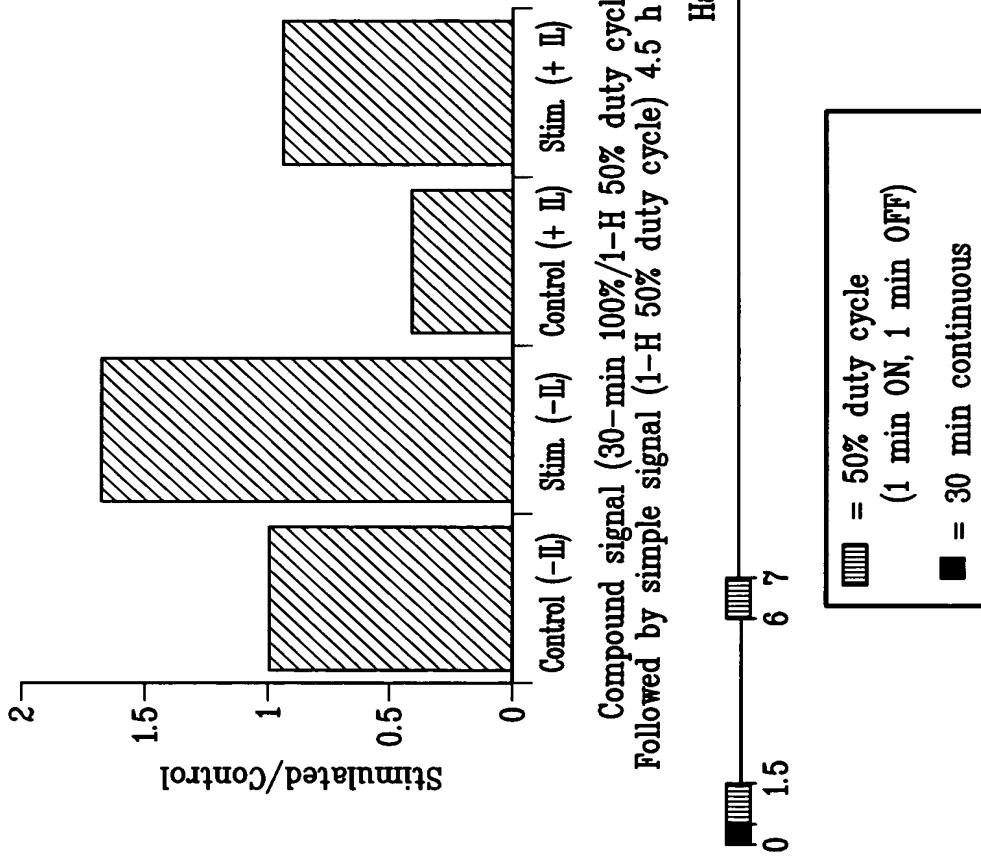
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FIG. 4

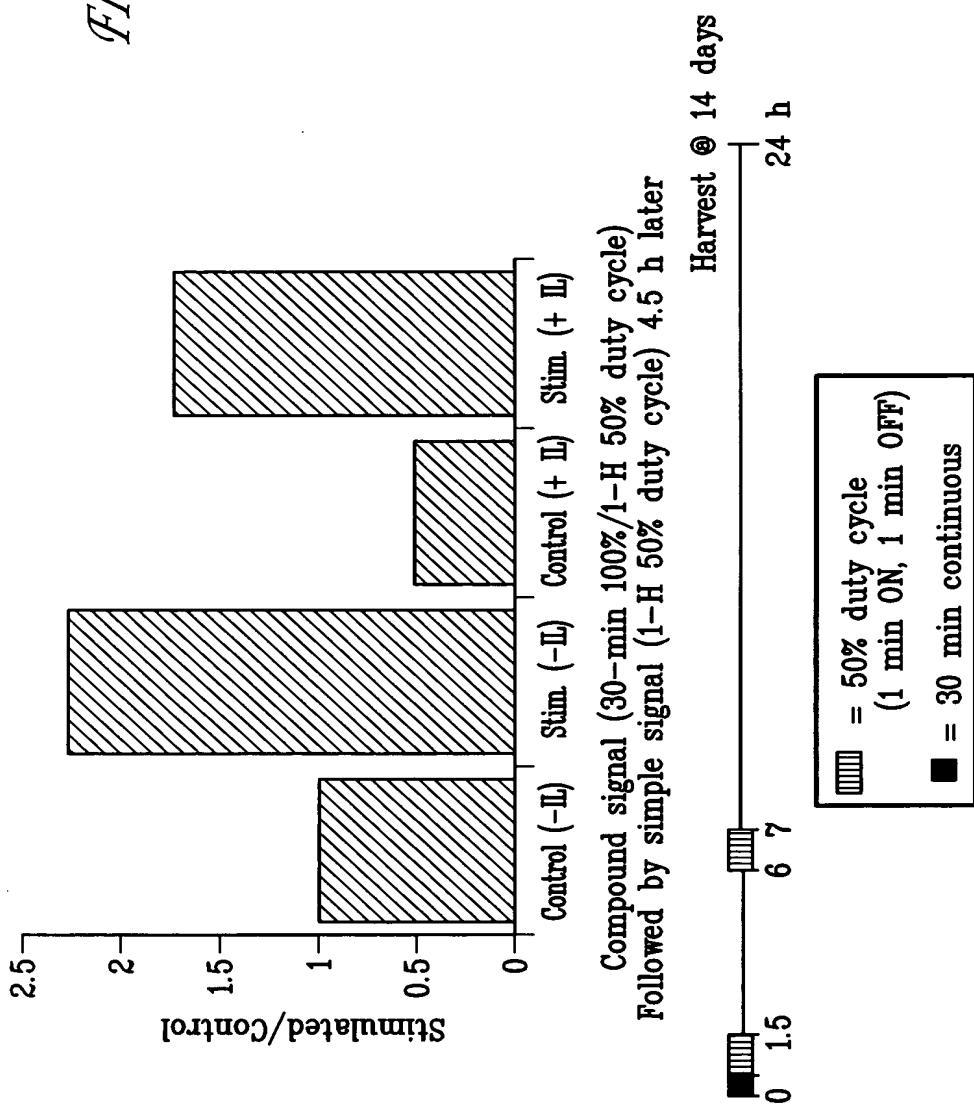
HEXOSAMINE PRODUCTION
With and without electrical stimulation (Stim.)
With and without interleukin (IL)



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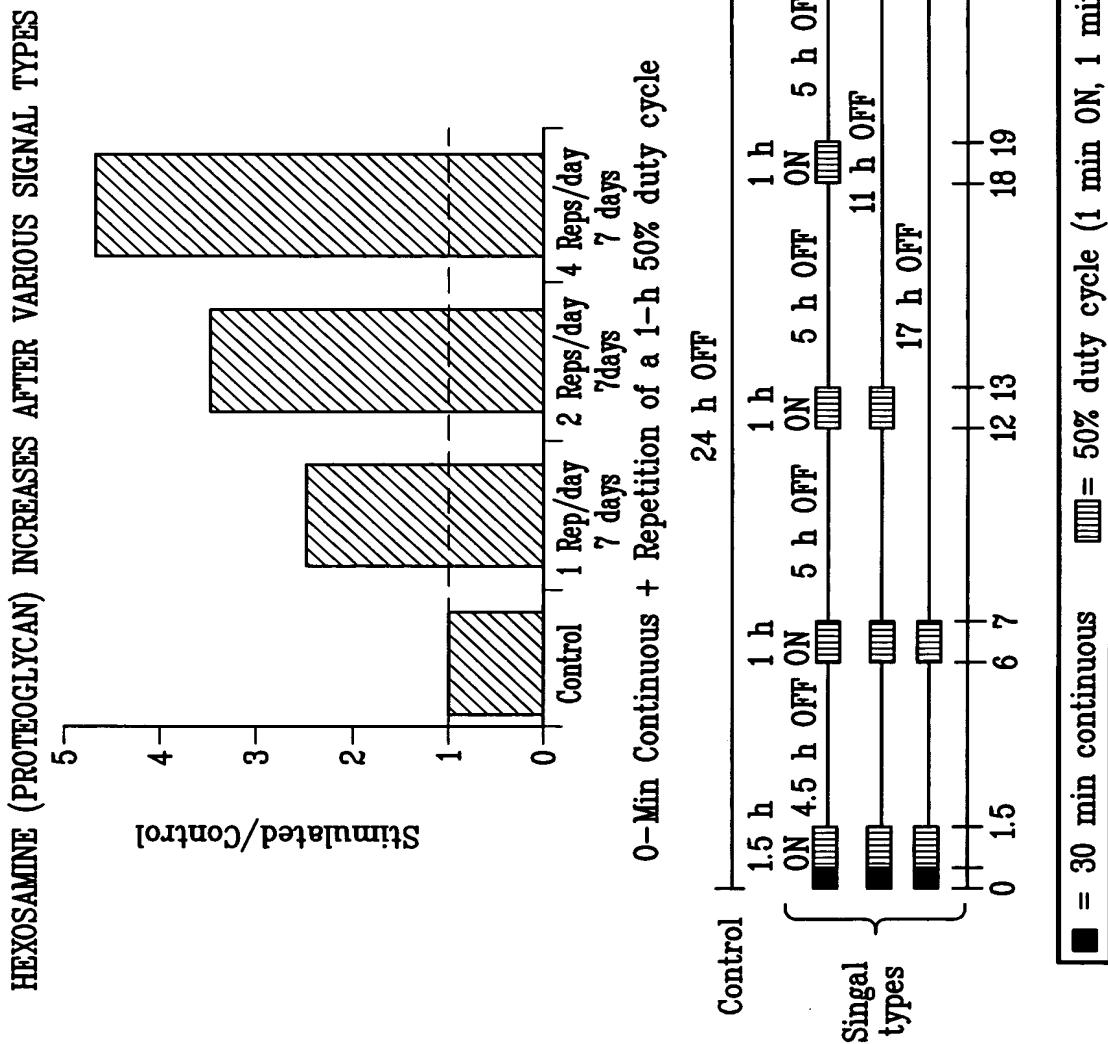
FIG. 5

HYDROXYPROLINE PRODUCTION
With and without electrical stimulation (Stim.)
With and without interleukin (IL)



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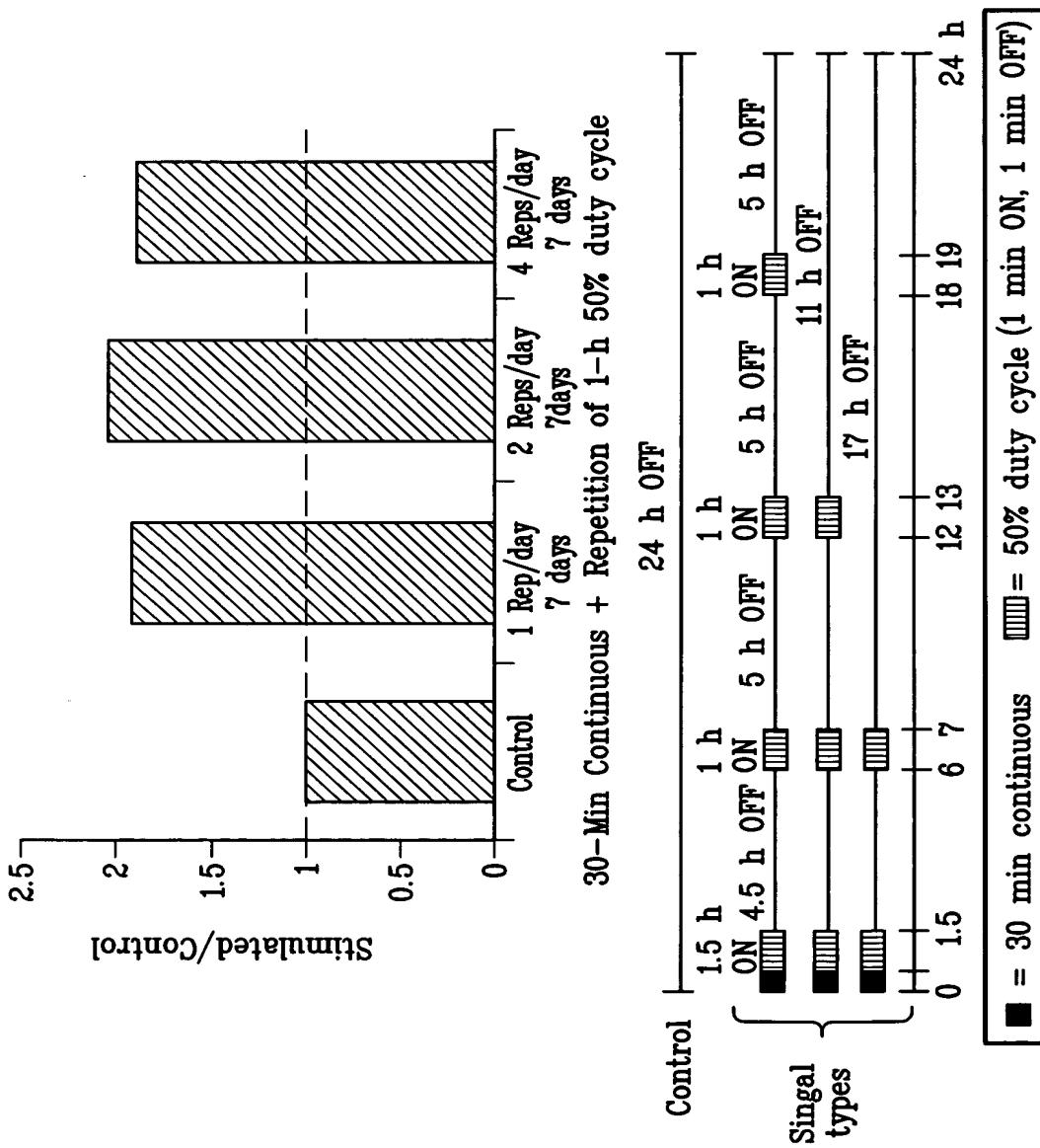
FIG. 6



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FIG. 7

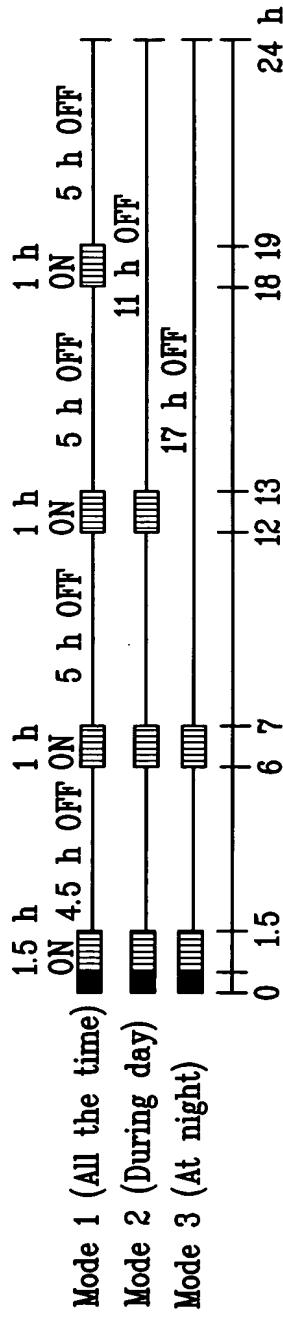
HYDROXYPROLINE (COLLAGEN) INCREASES AFTER VARIOUS SIGNAL TYPES



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FIG. 8

DEVICE SIGNAL MODES



■ = 30 min continuous, 60 kHz sine wave, 4.6 V_{p-p} to 7.6 V_{p-p}

■■■ = 50% duty cycle (1 min ON, 1 min OFF), 60 kHz wave, 4.6 V_{p-p} to 7.6 V_{p-p}

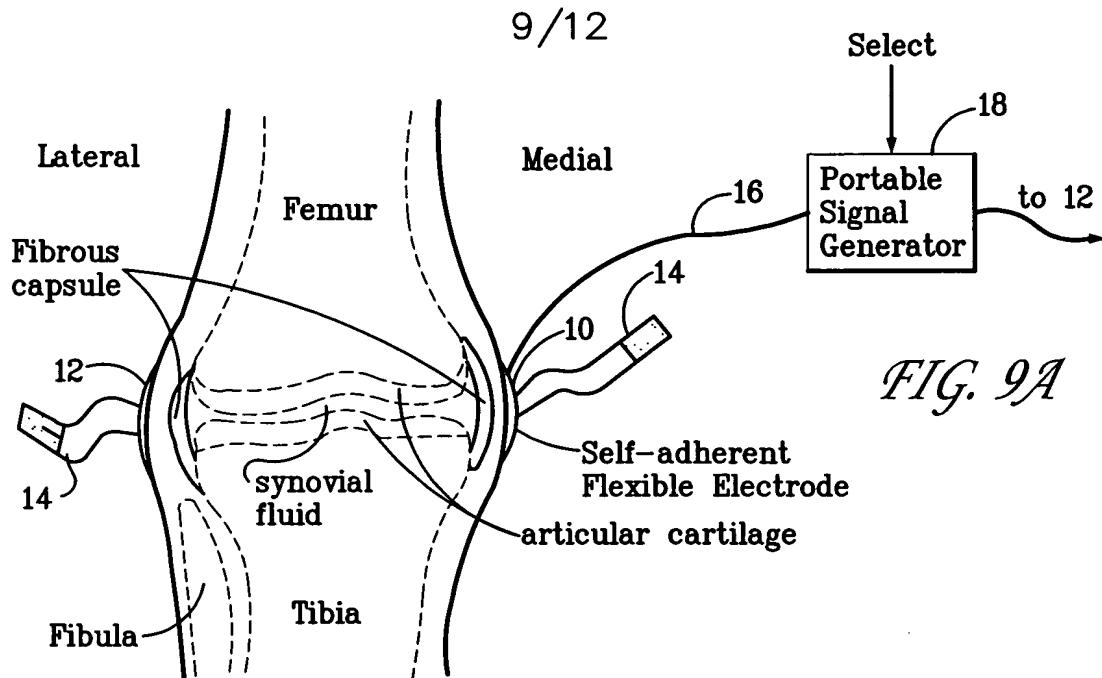


FIG. 9A

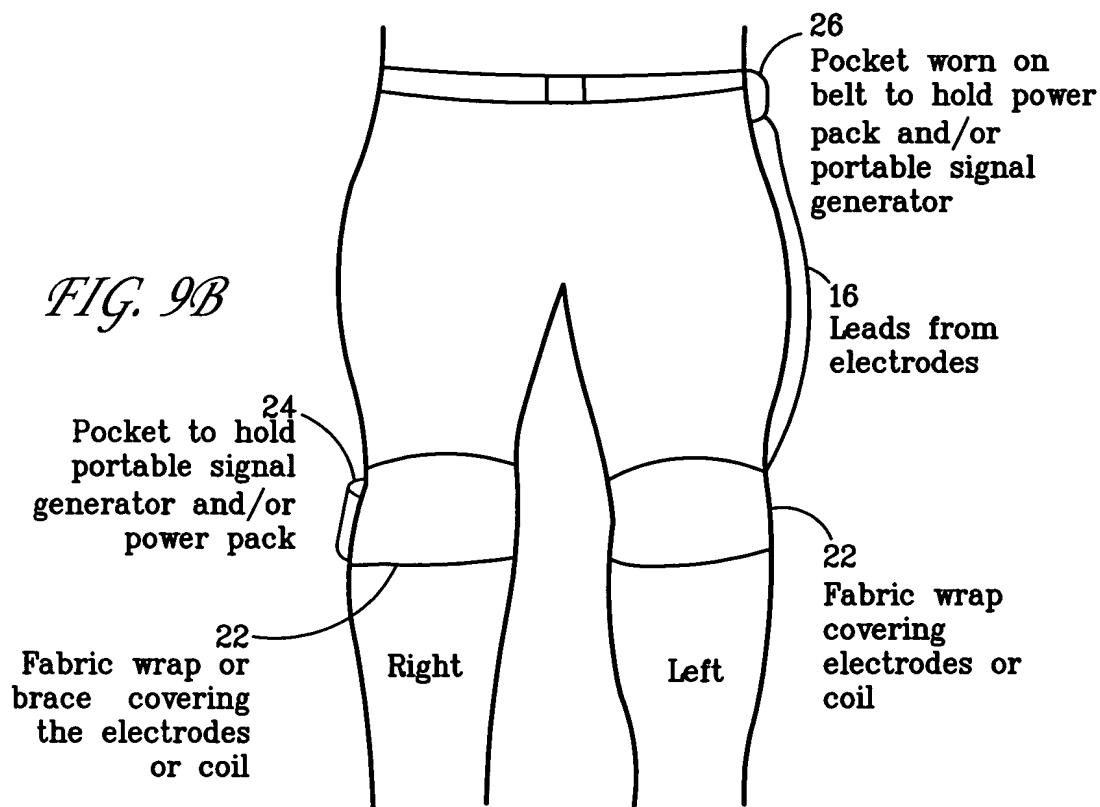


FIG. 9B

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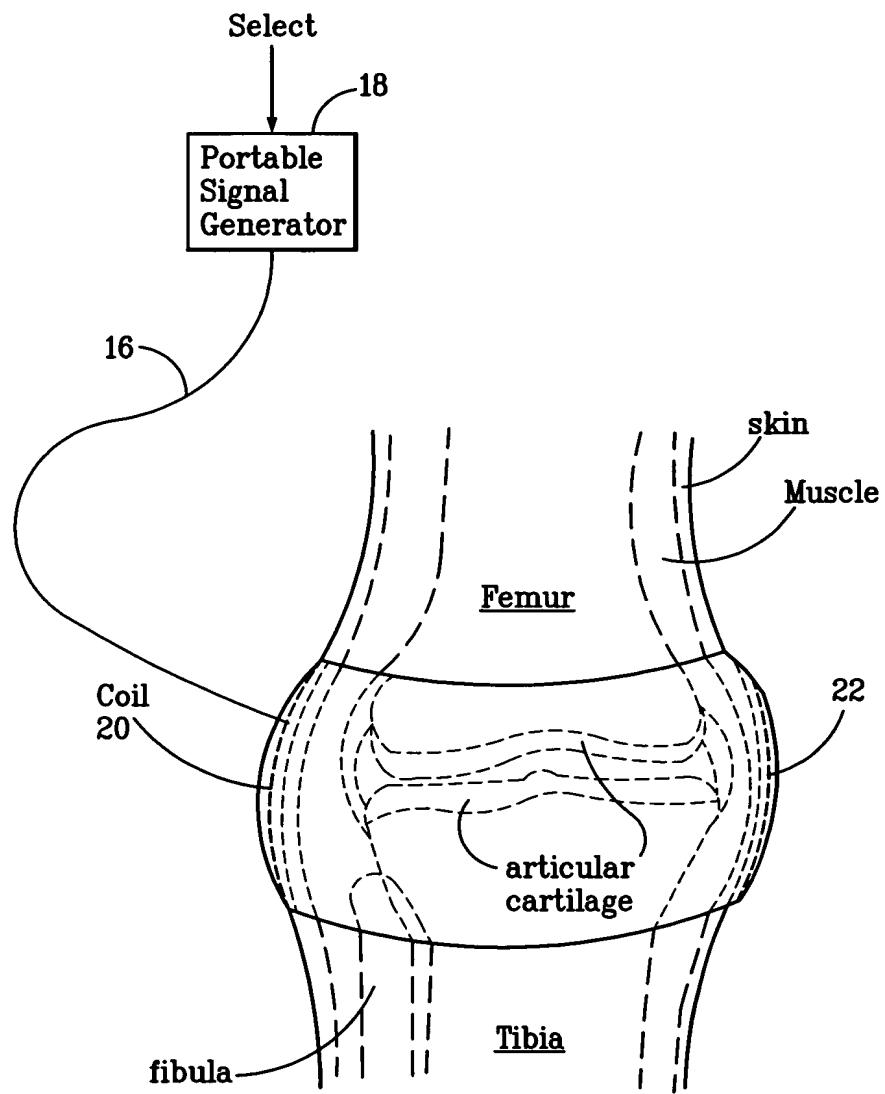


FIG. 9C

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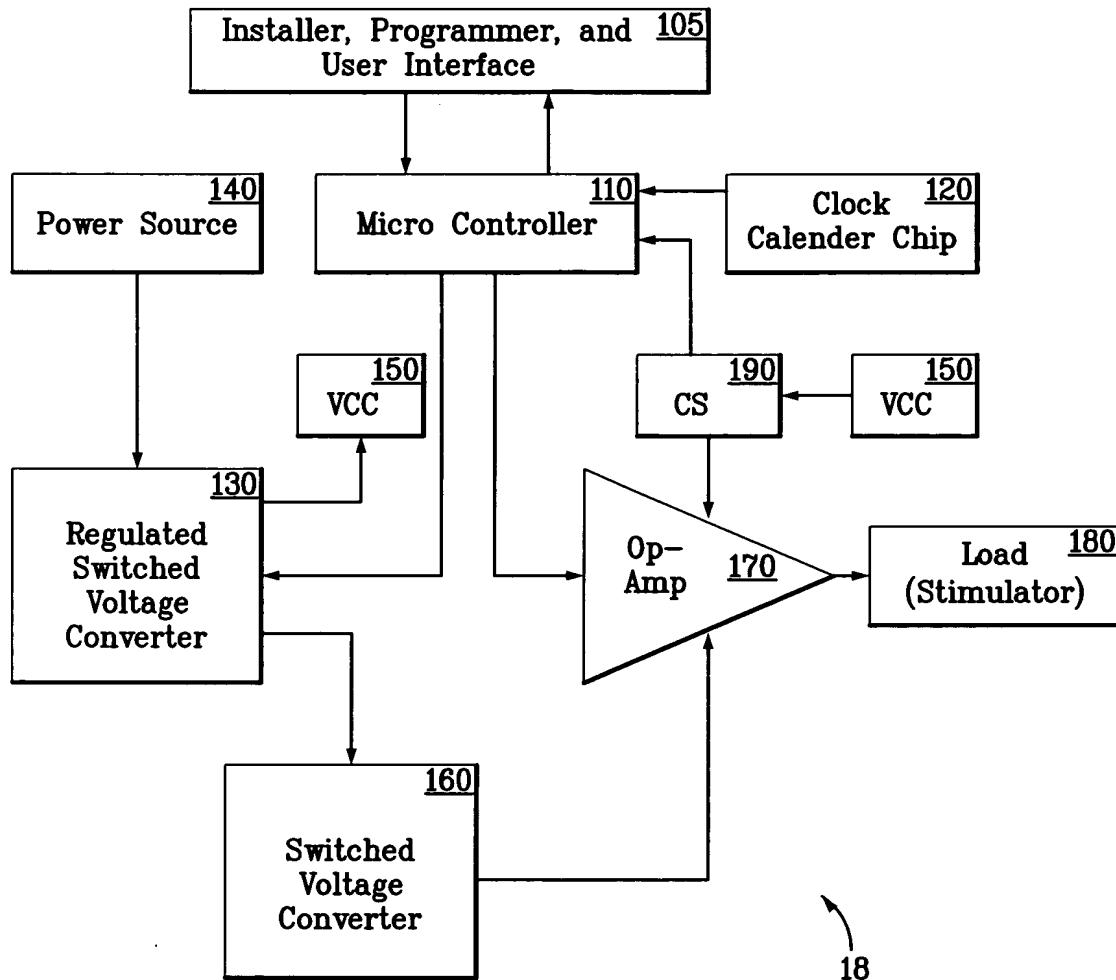


FIG. 10

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